

Title (en)  
Positioning servo system.

Title (de)  
Positionierungsservosystem.

Title (fr)  
Servo-système de positionnement.

Publication  
**EP 0478324 A1 19920401 (EN)**

Application  
**EP 91308782 A 19910926**

Priority  
US 58970990 A 19900928

Abstract (en)  
A servo positioning system, such as used in an optical disk or other types of disk drives includes focus and positioning servo circuits. When a focus error is detected, then it is desired to stop the operation of the positioning system. Similarly, when a positioning error is detected, such as excessive speed or a non-zero velocity at the end of a seek or positioning motion, the head carriage should also be stopped. The stopping of the head carriage is by dynamic braking through use of a power amplifier which is switched from a transconductance mode used during normal servo positioning operations to a voltage amplifying mode which is set to a zero input for dynamically braking the servo positioning system to a safe speed and thence to a stop condition whereupon further error recovery procedures may be employed. <IMAGE>

IPC 1-7  
**G11B 7/085**; **G11B 7/09**; **G11B 7/095**

IPC 8 full level  
**G11B 7/085** (2006.01); **G11B 7/09** (2006.01); **G11B 7/095** (2006.01)

CPC (source: EP KR US)  
**G11B 7/08505** (2013.01 - EP US); **G11B 7/09** (2013.01 - EP KR US)

Citation (search report)  
• [A] EP 0378182 A2 19900718 - SONY CORP [JP]  
• [A] EP 0362987 A2 19900411 - PIONEER ELECTRONIC CORP [JP]  
• [A] EP 0388519 A2 19900926 - PIONEER ELECTRONIC CORP [JP]

Cited by  
CN1063861C

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0478324 A1 19920401**; CA 2046696 A1 19920329; CN 1025084 C 19940615; CN 1060172 A 19920408; JP 2682764 B2 19971126; JP H06318326 A 19941115; KR 920006941 A 19920428; KR 950005030 B1 19950517; MY 107893 A 19960629; US 5142516 A 19920825

DOCDB simple family (application)  
**EP 91308782 A 19910926**; CA 2046696 A 19910710; CN 91109184 A 19910925; JP 17199491 A 19910618; KR 910016633 A 19910925; MY PI19911711 A 19910919; US 58970990 A 19900928